

6612-52  
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AMENDMENTS TO CLAIMS

1-20 Cancelled

21. (Previously presented) A modern golf ball comprising:  
a cover material defining an inner surface and an outer surface, said outer surface having a dimpled pattern;  
a single, one-piece metal sphere having an outer surface which is surrounded by the inner surface of the cover, said single sphere further defining an inner surface surrounding a material of lower density than the density of said cover material; and  
said single sphere further defining a wall formed of a metal having a thickness between said inner and outer surfaces of said sphere of at least 0.20 inches.
22. (Previously presented) A modern golf ball as defined in claim 21, wherein the metal is selected from the group consisting of titanium and titanium alloys.
23. (Previously presented) A modern golf ball as defined in claim 21, wherein said single sphere is comprised of two or more spherical portions each formed by stamping, said portions of said sphere being fixedly secured together to form said single sphere.
24. (Previously presented) A modern golf ball as defined in claim 21, wherein said single sphere is comprised of two or more spherical portions each formed by hydroforming, said portions of said sphere being fixedly secured together to form said single sphere.
25. (Previously presented) A modern golf ball as defined in claim 21, wherein said single sphere is comprised of two or more spherical portions each formed by superplastic forming, said portions of said sphere being fixedly secured together to form said single sphere.
26. (Previously presented) A modern golf ball as defined in claim 21, wherein said single sphere is comprised of two or more spherical portions each formed by metal spinning, said portions of said sphere being fixedly secured together to form said single sphere.
27. (Previously presented) A modern golf ball as defined in claim 22, wherein said portions of said sphere are fixedly secured together by welding.
28. (Previously presented) A modern golf ball as defined in claim 27, wherein said welding is electron beam welding.
29. (Previously presented) A modern golf ball as defined in claim 27, wherein said welding is laser welding.
30. Cancelled.

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31. (Previously presented) A modern golf ball as defined in claim 27, wherein said welding is electrical resistance welding.

32. (Currently amended) A modern golf ball as defined in claim 23, wherein said portions of said sphere are fixedly secured together by ~~glueing~~ gluing.

33. (Currently amended) A modern golf ball as defined in claim 21, wherein said wall has a thickness of about 0.02 inches to about 0.08 inches.

34. (Currently amended) A modern golf ball as defined in claim 21, wherein said single sphere has an outer diameter of between about 0.39 inches and about 1.5 inches.

35. (Currently amended) A modern golf ball as defined in claim 21, wherein the material of lower density in said sphere contains comprises a gas.

36. (Previously presented) A modern golf ball as defined in Claim 35, wherein said gas is under pressure.

37. (Previously presented) A modern golf ball as defined in Claim 35, wherein said gas is air.